

Amendments to the drawings

The attached sheets of drawings contain changes to Figures 1 and 3.

In Figure 1, the reference numeral "18" on the left has been changed to "17."

In Figure 3, structure indicated by reference numerals "42" and "44" has been amended for consistency with the text to show two distinct layers, formed by liner 42 on the outside and retaining band 44 on the inside. The leading line for the reference numeral "42" leads to the outer layer, and the leading line for the reference numeral "44" has been adjusted to lead to the inner layer.

A complete set of drawings including Replacement Sheets 1 and 3 is enclosed with this response.

REMARKS

General:

Claims 1-26 are pending in the application. Claims 1-26 stand rejected in the present office action. Claim 2 is canceled. Claims 1, 7, 8, 14-17, and 23 are amended. No new matter has been added by these amendments.

Objections to the disclosure:

1. Figure 1A has been added to the brief description of the drawings. The opportunity has been taken to refine the description of Figure 1, in order to clarify the difference between Figures 1 and 1A, and to correct the description of Figure 2. The detailed description of the first embodiment has been amended to refer to Figure 1A as well as Figures 1 and 2.
2. The examiner pointed out that there are two reference numerals "18" in original Figure 1, identifying different structural elements. One of the reference numerals "18" has been changed to "17." The structural element identified as "17" can be recognized from the drawing as the "sleeve" mentioned in paragraph [0018], and the reference numeral has been inserted in the text.
3. The examiner objected that reference numerals "42" and "44" in Figure 3 "appear to identify the same structural element." Paragraph [0031] explains that reference numeral "42" identifies the liner, and reference numeral "44" identifies a retaining band that extends almost the entire length of the liner, inside the liner. The elements 42 and 44 lie in contact with one another, and original Figure 3 did not clearly distinguish the two layers. Figure 3 has been corrected to show two layers as described in the text of paragraph [0031], and the leading line from reference numeral "44" in Figure 3 has been adjusted to point to the inner layer.
4. The spelling of "figure" in paragraph [0033] has been corrected.
5. The examiner objected that the specification "fails to state that the liner is permeable to a fluid." It is respectfully submitted that the permeability is implicit in the fact that the liner in the embodiments is described as having a finite, measurable airflow resistance, see paragraphs [0024] and [0025]. However, the word "permeable" has been inserted in paragraph [0024]. Basis for this amendment is found in original claims 14 and 23.

35 U.S.C. § 112:

Claims 1-13, 15, 16, and 23-26 stand rejected as not enabled, and claims 1-26 stand rejected as indefinite, on the basis that the claims do not recite features that the examiner believes to be essential to the invention. The applicants do not agree with the rejections, and it is noted that *In re Mayhew* does not in fact support the examiner's position. (*Mayhew* relied on a clear statement in the specification that the disputed apparatus features were crucial to carrying out the inventive method.) However, in the interest of prompt allowance, the independent claims have been amended to recite explicitly that the cartridge is a radial flow cartridge, the cartridge contains an expandable fluid treatment medium, and the inner and outer cages and the liner are permeable to a fluid. Language rendered redundant by these amendments has been deleted from various claims.

Claims 7 and 8 stand rejected on the basis that there is no antecedent for the word "band." Claims 7 and 8 have been made dependent from claim 6, as suggested by the examiner, and this rejection is believed not now to apply.

35 U.S.C. § 102:

Claims 1, 3, 5, and 6 were rejected as anticipated by U.S. Patent No. 3,965,000 (Mikule et al.). This rejection is believed not to apply to the claims as now amended.

Allowable subject matter:

The examiner's indication that claims 1-26 as amended define allowable subject matter is acknowledged with appreciation.

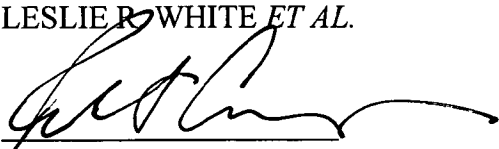
Conclusion:

In view of the foregoing, reconsideration of the Examiner's rejections and allowance of all of claims 1 and 3-26 as presented in this response are earnestly solicited.

If the Examiner believes that direct communication with Applicants' representative will help advance this application, the Examiner is invited to contact the undersigned.

Respectfully submitted,

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APPENDIX

Annotated sheet 1/5 (Fig. 1) showing changes to Fig. 1

Annotated sheet 4/5 (Fig. 3) showing changes to Fig. 3

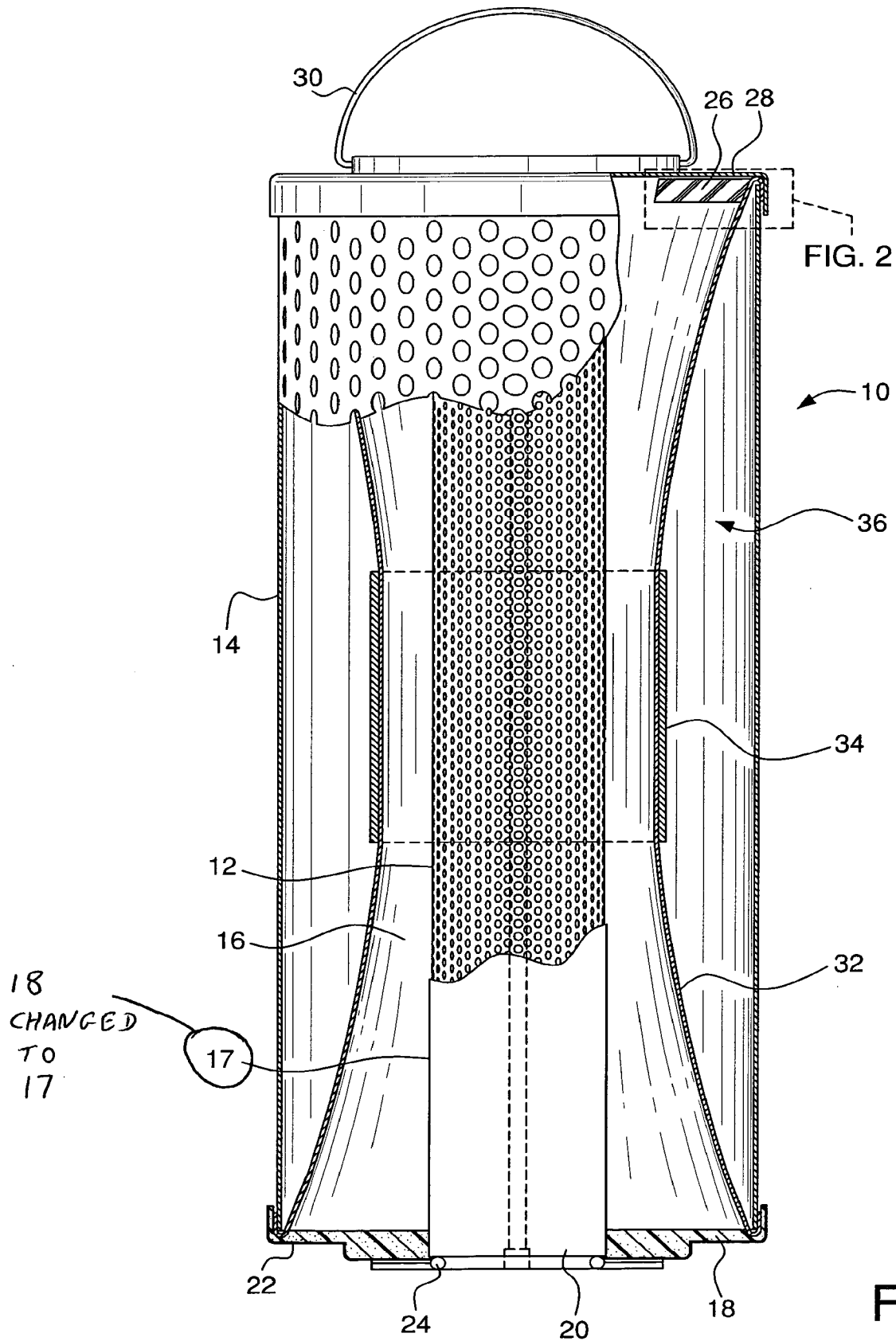
Clean set of drawings, including:

Replacement sheet 1/5 bearing clean copy of amended Fig. 1

Replacement sheet 4/5 bearing clean copy of amended Fig. 3



1/5



4/5

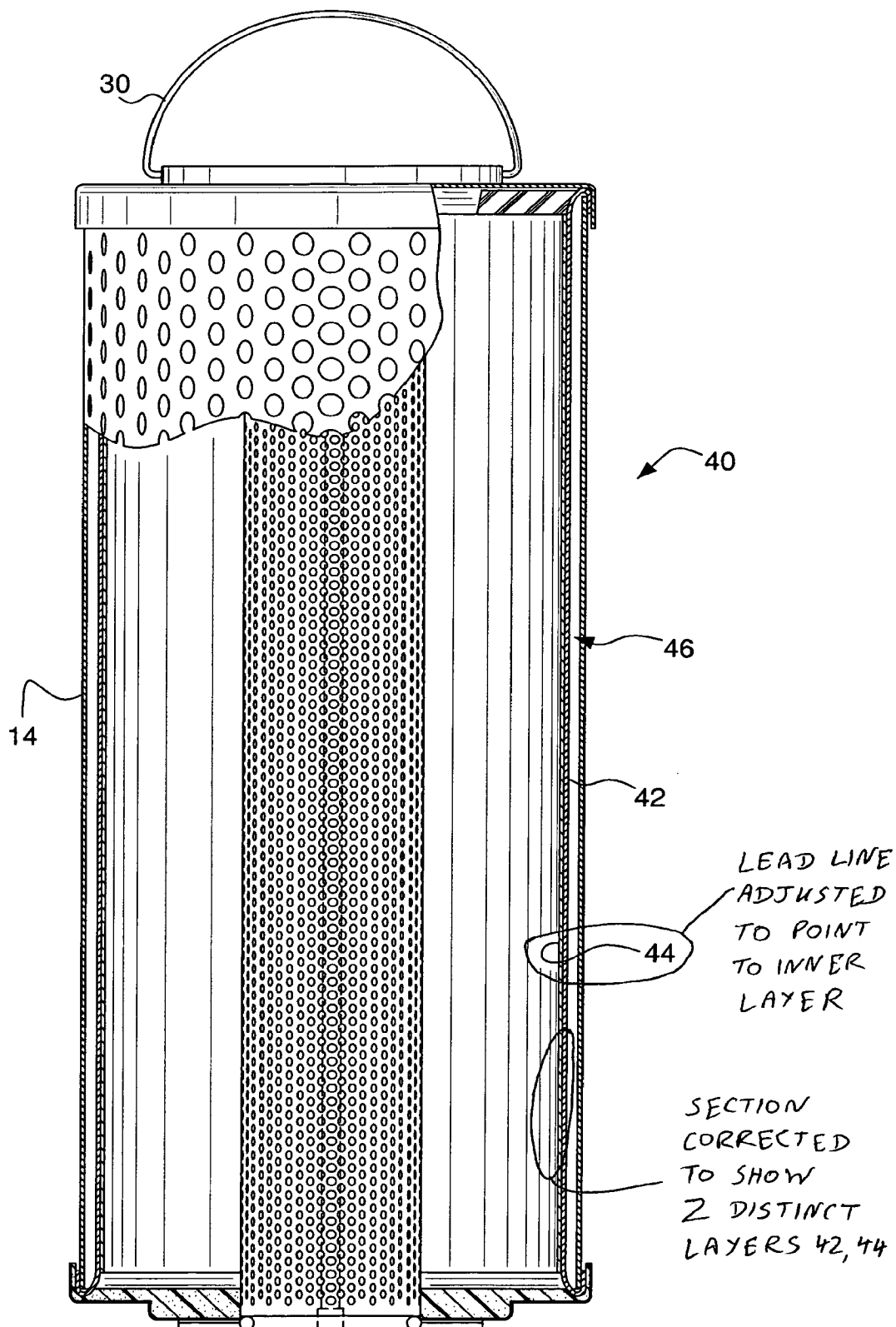


FIG. 3